

Converting Colors

$Y_{xy}(15.8742, 0.5327, 0.4036)$

Have a look what the booklet for
Yxy(15.8742, 0.5327, 0.4036)
contains.

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Color

Yxy(15.8555, 0.5334, 0.4034)

Conversions

Conversions Part 1

Format	Color
Hex	AE5711
RGB	174, 87, 17
RGB Percent	68%, 34%, 7%
CMY	0.3176, 0.6588, 0.9335
CMYK	0.00, 0.50, 0.90, 0.32
HSL	27°, 82%, 37%
HSV	27°, 90%, 68%
XYZ	20.9651, 15.8555, 2.4841
YIQ	105.0330, 74.3220, -3.3260

Conversions

Conversions Part 2

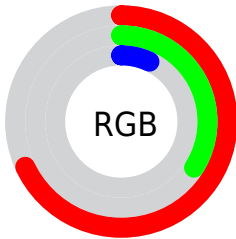
Format	Color
R_{YB}	174, 143, 17
Decimal	11425553
CIE Lab	46.78, 31.48, 51.53
CIE LCh	47, 60.382, 58.575
Yxy	15.8555, 0.5334, 0.4034
Android (android.graphics.Color)	4289615633 (0xFFAE5711)
YUV	105.0330, -43.4003, 60.4841
Hunter-Lab	39.8190, 24.2989, 24.1745

Details

The Yxy color **15.8555, 0.5334, 0.4034** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **13.0673, 0.1891, 0.1928**, and the grayscale version is **14.2403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2688, 0.4883, 0.3986**, and **5.0959, 0.5790, 0.3785** is the 20% darker color. If you saturate the color by 10%, you get **14.3921, 0.5558, 0.3969**, and if you desaturate by 10%, it is **17.6002, 0.5071, 0.4058**.

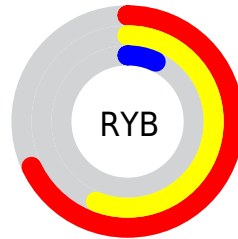
Distribution



Red (68%)

Green (34%)

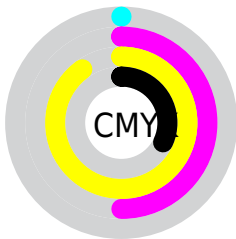
Blue (7%)



Red (68%)

Yellow (56%)

Blue (7%)

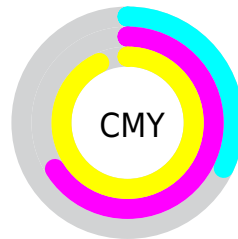


Cyan (0%)

Magenta (50%)

Yellow (90%)

Black (32%)



Cyan (32%)


Magenta (66%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8555, 0.5334, 0.4034 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 15.8555, 0.5334, 0.4034 by changing the saturation by 10% instead.


 15.8555, 0.5334,
0.4034


 15.8555, 0.5334,
0.4034

228.4875, 0.4110,
0.3759


 9.4220, 0.5630,
0.4015


 36.3472, 0.4882,
0.3986


 5.0174, 0.6040,
0.3960

 51.1741, 0.4711,
0.3949


 2.2575, 0.6347,
0.3653

 69.5676, 0.4568,
0.3912

 0.7511, 0.6883,
0.3117

 91.9120, 0.4448,
0.3876

 0.0000, 1.0000,
0.0000


 118.5919, 0.4344,
0.3843


 0.0000, 0.0000,
0.0000


 149.9915, 0.4255,

0.3813


 186.4952, 0.4178,
0.3785


 15.8555, 0.5334,
0.4034


 15.8555, 0.5334,
0.4034


 14.3921, 0.5558,
0.3969

 17.6002, 0.5071,
0.4058

 19.6113, 0.4780,
0.4031

 21.9036, 0.4483,
0.3964

 24.4899, 0.4196,
0.3869

 27.3819, 0.3930,
0.3757

■ 30.5905, 0.3690,
0.3638

■ 34.1262, 0.3478,
0.3518

■ 37.9986, 0.3292,
0.3402

■ 42.2170, 0.3131,
0.3293

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



15.8555, 0.5322, 0.3273



15.8555, 0.5334, 0.4034



15.8555, 0.4690, 0.4853

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



15.8555, 0.5334, 0.4034



15.8555, 0.1790, 0.4016



15.8555, 0.2188, 0.1698

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



15.8555, 0.5334, 0.4034



13.0673, 0.1891, 0.1928

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



15.8555, 0.1545, 0.1653



15.8555, 0.5334, 0.4034



15.8555, 0.1333, 0.2697

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



15.8555, 0.5334, 0.4034



15.8555, 0.2665, 0.5283



15.8555, 0.1272, 0.1939



15.8555, 0.3242, 0.2022

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



15.8555, 0.5334, 0.4034



15.8555, 0.4062, 0.5331



15.8555, 0.1272, 0.1939



15.8555, 0.1928, 0.1651

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



15.8564, 0.5334, 0.4034



57.2056, 0.3628, 0.3604



10.4382, 0.4475, 0.2306



12.2565, 0.3703, 0.3644



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.8564, 0.5334, 0.4034



25.6736, 0.5586, 0.3947



35.4232, 0.4276, 0.4926



8.5814, 0.3276, 0.3392



10.5534, 0.5539, 0.3984



0.4038, 0.5033, 0.4386

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



13.0673, 0.1891, 0.1928



20.3951, 0.1817, 0.1741



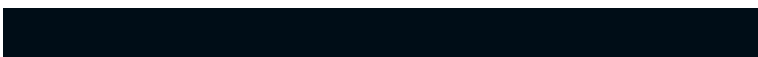
3.9787, 0.1572, 0.0756



8.4652, 0.2986, 0.3186



8.4562, 0.1830, 0.1786



0.3423, 0.1969, 0.2289

Previews

White Background



This preview shows how the Yxy color 15.8555, 0.5334, 0.4034 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 15.8555, 0.5334, 0.4034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.8555, 0.5334, 0.4034

Background



This preview shows how black text looks on a background with the Yxy color 15.8555, 0.5334, 0.4034.



This preview shows how white text looks on a background with the Yxy color 15.8555, 0.5334, 0.4034.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

15.8555, 0.5334, 0.4034

Protanopia

16.0143, 0.4287, 0.4762

Deuteranopia

15.9708, 0.4699, 0.4651



Tritanopia

15.9201, 0.4595, 0.3210

Trichromacy



Original Color

15.8555, 0.5334, 0.4034

Protanomaly

15.5943, 0.4692, 0.4485

Deuteranomaly

15.7091, 0.4950, 0.4411

Tritanomaly

15.7644, 0.4961, 0.3576

Monochromacy



Original Color

15.8555, 0.5334, 0.4034

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

13.9622, 0.3998, 0.3778

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8555, 0.5334, 0.4034 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(174, 87, 17)` looks like.

```
.text, #text, p{  
    color:rgb(174, 87, 17)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(174, 87, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 87, 17) }
```

Border

The CSS property to change the border of an element to Yxy 15.8555, 0.5334, 0.4034 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(174, 87, 17) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(174, 87, 17) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(174, 87, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 87, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 87, 17);  
box-shadow:4px 4px 4px 4px rgb(174, 87,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8555, 0.5334, 0.4034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 87, 17) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(174, 87,  
17) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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